SHF Communication Technologies AG

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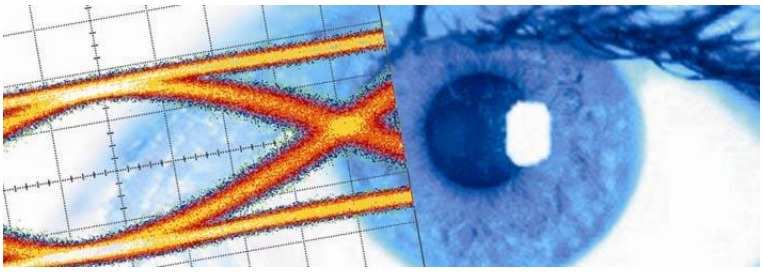


Datasheet

6HE BERT Mainframe V4

SHF 10000 C

Description

The 6HE BERT MAINFRAME V4 - SHF 10000 C is a mainframe unit to be used in conjunction with SHF plug-in modules. A wide range of available plug-in modules allow configuring modular and scalable measurement systems for various applications, which fit exactly to the customer's requirement.

Two full-width plug-ins (such as pattern generators and error analyzers) and up to four half-width plug-ins including internal clock source, clock recovery module, optical transmitter, optical receiver, electrical delay lines and user specific functions can be installed in this mainframe.

The mainframe is controlled over a standard Ethernet connection by an external computer which can be ordered as an option. Every system comes along with an easy to use software package providing not only a user friendly interface for changing the operating parameters and a powerful measurement utility but also the capabilities of feature enhancement through firmware & software upgrades.

To support the DC supply of external components such as amplifier frequency doublers etc, the mainframe has a DC power outlet with various voltages.

Features

- Basic part for configuring scalable and modular measurement systems
- Windows Style Bert Control Center software package
- Computer controlled operation over the Ethernet which also enables remote access
- Feature enhancement through firmware & software upgrades
- User programmable
- Field installation of half-width modules
- Easily upgradeable

Options

Add NB – With notebook computer and preinstalled Bert Control Center (BCC) software package

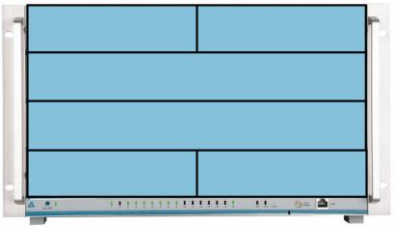
Specifications

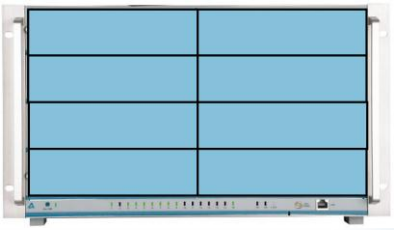
Parameter	Unit	Min.	Typ.	Max.	Conditions
Power Supply	V	100 210	110 230	135 240	50…60 Hz
Power Consumption	W			11 600 800	Mainframe Alone Max Configuration 110 V Max Configuration 230 V
Weight	kg			45	Fully Equipped
Dimensions (WxDxH)	mm				480x630x280
Operating Temperature	°C	10		35	
Storage Temperature	°C	-20		70	
Network Connector					RJ-45 Ethernet
DC Power Supply Outlet (Lemo EPG.OB.304.HLN)	V		–5 +5 +12		Max. 900 mA Max. 900 mA Max. 900 mA

Possible Configurations of Mainframe

Please specify the required configuration together with the order

SHF 10000 C - A
Two full size plug-ins
Four field-replaceable half size plug-ins



SHF 10000 C - B
One full size plug-ins
Six field-replaceable half size plug-ins

SHF 10000 C - C
Eight field-replaceable half size plug-ins